

CONFIDENTIAL

NSA Declassification/Release Instructions on File

MEMORANDUM FOR THE RECORD

11 October 1963

25X1A9A

FROM :

SUBJECT : Six Extensions Adaptor for the KY-3

25X1A9A

1. In response to Agency requirements for a system to provide up to six extensions to the KY-3, a trip was made by Mr. Mr. to NSA, Fort Meade, to investigate such a system under development there.

25X1A9A

2. The NSA system consists of a KY-3 unit with a call director and up to five modified 565HD, six button desk sets, and the associated relay panel. For demonstration purposes, a simple two-ended circuit with a KY-3 unit, a call director, and two desk sets at one end; and a KY-3 with one desk set at the other end was set up. Several desirable features were brought out by the demonstration.

3. The only modifications required on the desk sets are the addition of a standard KY-3 amplifier in the base and a dynamic microphone in the handset; and the replacement of the white lights with colored lights for alarms and condition indicators.

4. The desk sets have no exclusion keys, but no inclusions are possible except through the secretary's call director. If the secretary includes herself on the call, the inclusion is indicated on the desk set by a red inclusion alarm light. If inclusion of the secretary is not desired, she must exclude herself from the call director console.

5. An intercom provision is included in the system. The intercom circuit may be used between extensions while other extensions are involved in calls with no resulting interference and no perceptible cross talk.

6. The provision for any or all extensions to be on-line simultaneously indicates a conference capability with a group of up to six conferees on each end of the circuit.

7. The extensions may be located up to 500 feet from the KY-3 unit.

8. Overall, the system...

CONFIDENTIAL

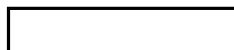
GROUP 1
Excluded from automatic
downgrading and
declassification

CONFIDENTIAL

Approved For Release 2002/08/26 : CIA-RDP78-02820A000900040004-4

(2)

8. Overall, the system seems to meet Agency requirements for Ky-3 extensions. Necessary drawings and descriptions of the system will be supplied to the Agency by NSA.



25X1A9A

Distribution:

Original - 1 - Monthly Report
1 - Project File
1 - WES Chrono

CONFIDENTIAL

GROUP 1
Excluded from automatic
downgrading and
declassification

Approved For Release 2002/08/26 : CIA-RDP78-02820A000900040004-4